REPLACEMENT SHEET



1 1	Met Arg	Ser TCC	Ser TCC	Lys AAG	Asn AAC	Val GTC	Ile ATC	Lys AAG	Glu GAG	Phe TTC	Met ATG	Arg CGC	Phe TTC	Lys AAG	Val GTG		16 48
17 49	_																32 96
33	Gly Glu	Gly	Arg	Pro	Tyr	Glu	Gly	His	Asn	Thr	Val	r E8 Lys	Leu	Lys	Val		48
97	GGC GAG	GGC	CGC	CCC	TAC	GAG	GGC	CAC	AAC	ACC	GTG	AAG	CTG	AAG	GTG		144
49 145	Thr Lys																64 192
C.E.	Met(ATG) for AG4 and AG45/Ala(GCG) for E83 65 Phe Gln Tyr Gly Ser Lys Val Tyr Val Lys His Pro Ala Asp Ile Pro													80			
193	TTC CAG																240
81																	96 288
241	GAC TAC	AAG	AAG	CTG	TCC	TTC									nd A	345	200
97								Val	Thr	Val	Thr	Gln	Asp	Ser	Ser	310	112
289	ATG AAC	TTC	GAG	GAC	GGC	GGC						CAG	GAC	TCC	TCC		336
112	ton Clm	His(CAC)-for AG45 Leu Gln Asp Gly Cys Phe Ile Tyr Lys Val Lys Phe Ile Gly Val Asn 12												128			
113 337	CTG CAG																384
129	Phe Pro	Ser	Asp	Gly	Pro	Val	Met	Gln	Lys	Lys	Thr	Met	Gly	Trp	Glu		144
385	TTC CCC	TCC	GAC	GGC	CCC	GTG	ATG	CAG	AAG	AAG	ACC	ATG	GGC	TGG	GAG		432
145	Ala Ser																160
433	GCC TCC				CTG	TAC	CCC	CGC	GAC	GGC	GTG	CTG	AAG	GGC	GAG		480
161	Thr(ACC				Lvs	I.eu	Lvs	Asp	Glv	Glv	His	Tvr	Leu	Val	Glu		176
481	ATC CAC	AAG	GCC	CTG	AAG	CTG	AAG	GAC	GGC	GGC	CAC	TAC	CTG	GTG	GAG		528
					for												
177 529	Phe Lys																192 576
329	TIC AND	100	AIC		(ACC)												0.0
193	Tyr Tyr	Val	Asp														208
577	TAC TAC																624
	Ile Val																
625 ACC ATC GTG GAG CAG TAC GAG CGC ACC GAG GGC CGC CAC CTG TTC CTG TAA 678 (SEQ ID NO:07 & 8)																	

III. 21 MIS ES FIGURE 9

REPLACEMENT SHEET

GGA TCC GCT CAG TCA GAG CAC GGT CTA ACA GAA GAA ATG ACA ATG AAA E 0 S E H G L F. TAC CGT ATG GAA GGG TGC GTC GAT GGA CAT AAA TTT GTG ATC ACG GGA Н K С V D G G GAG GGC ATT GGA TAT CCG TTC AAA GGG AAA CAG GCT ATT AAT CTG TGT Y P F K G K 0 Α GTG GTC GAA GGT GGA CCA TTG CCA TTT GCC GAA GAC ATA TTG TCA GCT E D P F Α G P L GCC TTT ATG TAC GGA AAC AGG GTT TTC ACT GAA TAT CCT CAA GAC ATA G N R V F Т Ε Y GTT GAC TAT TTC AAG AAC TCG TGT CCT GCT GGA TAT ACA TGG GAC AGG K N S С Ρ Α G Y TCT TTT CTC TTT GAG GAT GGA GCA GTT TGC ATA TGT AAT GCA GAT ATA D G Α V С I С ACA GTG AGT GTT GAA GAA AAC TGC ATG TAT CAT GAG TCC AAA TTC TAT С М . Л Н S E E N GGA GTG AAT TTT CCT GCT GAT GGA CCT GTG ATG AAA AAG ATG ACA GAT Ρ Α D G AAC TGG GAG CCA TCC TGC GAG AAG ATC ATA CCA GTA CCT AAG CAG GGG С E K I Ι Ρ E Р S ATA TTG AAA GGG GAT GTC TCC ATG TAC CTC CTT CTG AAG GAT GGT GGG K V М Y L L L K G D S CGT TTA CGG TGC CAA TTC GAC ACA GTT TAC AAA GCA AAG TCT GTG CCA S T V Y K Α ĸ R C Q F D AGA AAG ATG CCG GAC TGG CAC TTC ATC CAG CAT AAG CTC ACC CGT GAA Q K Τ. M Р D W Н F Ι Η GAC CGC AGC GAT GCT AAG AAT CAG AAA TGG CAT CTG ACA GAA CAT GCT ${ t L}$ Α K N Q K W H E ATT GCA TCC GGA TCT GCA TTG CCC TGA AAGCTT P * HindIII (SEQ ID NO:15 & 16) S Α L

JUL 21 ME E

REPLACEMENT SHEET

FIGURE 10

GGA TCC GCC CAC AGC GAG CAC GGC CTG ACC GAG GAG ATG ACC ATG AAG S E H G L Т E E M Т TAC CAC ATG GAG GGC TGC GTG AAC GGC CAC AAG TTC GTG ATC ACC GGC V N G Н K F V Ι G GAG GGC ATC GGC TAC CCC TTC AAG GGC AAG CAG ACC ATC AAC CTG TGC Y P F K G K GTG ATC GAG GGC GGC CCC CTG CCC TTC AGC GAG GAC ATC CTG AGC GCC G P L P F S GGC TTC AAG TAC GGC GAC CGG ATC TTC ACC GAG TAC CCC CAG GAC ATC I F T Y D R G GTG GAC TAC TTC AAG AAC AGC TGC CCC GCC GGC TAC ACC TGG GGC CGG N S C P A G F K AGC TTC CTG TTC GAG GAC GGC GCC GTG TGC ATC TGT AAC GTG GAC ATC A V C I C N F E D G ACC GTG AGC GTG AAG GAG AAC TGC ATC TAC CAC AAG AGC ATC TTC AAC K E N C I Y HGGC GTG AAC TTC CCC GCC GAC GGC CCC GTG ATG AAG AAG ATG ACC ACC D G P V M K AAC TGG GAG GCC AGC TGC GAG AAG ATC ATG CCC GTG CCT AAG CAG GGC I M P V PК С K ATC CTG AAG GGC GAC GTG AGC ATG TAC CTG CTG CTG AAG GAC GGC GGC M CGG TAC CGG TGC CAG TTC GAC ACC GTG TAC AAG GCC AAG AGC GTG CCC F D Т 0 AGC AAG ATG CCC GAG TGG CAC TTC ATC CAG CAC AAG CTG CTG CGG GAG E W н F T 0 Н P GAC CGG AGC GAC GCC AAG AAC CAG AAG TGG CAG CTG ACC GAG CAC GCC Α L W Q D K N 0 K ATC GCC TTC CCC AGC GCC CTG GCC TGA AAGCTT (SEQ ID NOS: 17 & 18) P F S Α L A * HindIII

REPLACEMENT SHEET



GGA TCC GCC TCC CTG CTG ACC GAG ACC ATG CCC TTC AGG ACC ACC ATC BamHI A S L L T E T M P F R GAG GGC ACC GTG AAC GGC CAC TAC TTC AAG TGC ACC GGC AAG GGC GAG E G T V N G H Y F K GGC AAC CCC CTC GAG GGC ACC CAG GAG ATG AAG ATC GAG GTG ATC GAG G N P L E G T Q E M K I GGC GGC CCC CTG CCC TTC GCC TTC CAC ATC CTG TCC ACC TCC TGC ATG G G P L P F A F H I L S TAC GGC TCC AAG GCC TTC ATC AAG TAC GTG TCC GGC ATC CCC GAC TAC S K A F I K Y V S G I P D TTC AAG CAG TCC CTC CCC GAG GGC TTC ACC TGG GAG CGC ACC ACC ACC LPEGFTWERTTT TAC GAG GAC GGC GGC TTC CTG ACC GCC CAC CAG GAC ACC TCC CTG GAC \mathbf{F} \mathbf{L} T A H Q GGC GAC TGC CTG GTG TAC AAG GTG AAG ATC CTG GGC AAC AAC TTC CCC V K Ι GCC GAC GGC CCC GTG ATG CAG AAC AAG GCC GGC CGC TGG GAG CCC TCC M N K Α 0 ACC GAG ATC GTG TAC GAG GTG GAC GGC GTG CTG CGC GGC CAG TCC CTG E V D G Y ATG GCC CTG GAG TGC CCC GGC GGT CGC CAC CTG ACC TGC CAC CTG CAC С P G R H L Т E G ACC ACC TAC CGC TCC AAG AAG CCC GCC TCC GCC CTG AAG ATG CCC GGC ${f L}$ P A S Α S K K TTC CAC TTC GAG GAC CAC CGC ATC GAG ATC CTG GAG GAG GTG GAG AAG I E D Н R I $_{
m L}$ F. GGC AAG TGC TAC AAG CAG TAC GAG GCC GCC GTG GGC CGC TAC TGC GAC K Q Y E Α Α V G Y GCC GCC CCC TCC AAG CTG GGC CAC AAC TGAAGCTT S K L G H N * HindIII (SEQ ID NO:21 & 22)

REPLACEMENT SHEET



FIGURE 13

ATG GCC TCC CTG CTG ACC GAG ACC ATG CCC TTC AGG ACC ACC ATC Ε Т М Ρ F R Т GAG GGC ACC GTG AAC GGC CAC TAC TTC AAG TGC ACC GGC AAG GGC GAG N G Н Y F K GGC AAC CCC CTC GAG GGC ACC CAG GAG ATG AAG ATC GAG GTG ATC GAG Ε G T 0 \mathbf{E} Μ K GGC GGC CCC CTG CCC TTC GCC TTC CAC ATC CTG TCC ACC TCC TGC ATG Н Ι L F Α F TAC GGC TCC AAG GCC TTC ATC AAG TAC GTG TCC GGC ATC CCC GAC TAC Y Ι F K S G Α Ι TTC AAG CAG TCC CTC CCC GAG GGC TTC ACC TGG GAG CGC ACC ACC ACC E G F Т S L P TAC GAG GAC GGC GGC TTC CTG ACC GCC CAC CAG GAC ACC TCC CTG GAC Н G F L Т Α 0 GGC GAC TGC CTG GTG TAC AAG GTG AAG ATC CTG GGC AAC AAC TTC CCC V Y K V K Т G GCC GAC GGC CCC GTG ATG CAG AAC AAG GCC GGC CGC TGG GAG CCC TCC N K Α G R ACC GAG ATC GTG TAC GAG GTG GAC GGC GTG CTG CGC GGC CAG TCC AGC G ATG GCC CTG GAG TGC CCC GGC GGT CGC CAC CTG ACC TGC CAC CTG CAC L Ε С G G R Н ACC ACC TAC CGC TCC AAG AAG CCC GCC TCC GCC CTG AAG ATG CCC GGC Р S L K S K K Α Α Y R TTC CAC TTC GAG GAC CAC CGC ATC GAG ATC CTG GAG GAG GTG GAG AAG H E D Н R Т F. Т T. Ε Ε GGC AAG TGC TAC AAG CAG TAC GAG GCC GCC GTG GGC CGC TAC TGC GAC V G R Y Y Ε Α Α С Y K Q GCC GCC CCC TCC AAG CTG GGC CAC AAC TGA A A P S K L G H N (SEQ ID NO:23 & 24)